Hopton. 1608.

An Almanacke for this present yeare of our redemption. 1608.

Being Leape yeare.

And latitude of the famous Towne of Shrewsbury, indifferently serving the West parts, and generally agreeing to the South part of great Brittaine.

Written by Arthur Hopton Gent.

Longitude $18\frac{1}{20}$. degrees,
Latitude 53. Degrees.

Imprinted at London for the company of Stationers.

To know the houre of the day without Clocke or Dyall.

TAke an Arrowe, Ruler, or what ſtick you will, ſo it bee ſomething ſtraight, and of what length you will, ſo it be indifferently deuided into 12. equall partes, 12. of your thumbs breadth may well ſuffice, and ſo doth your thumbe deuide the ſame.

Now when you would know the houre of the day the ſunne ſhining, erect your Ruler vpon ſome plaine ſuperficies lying euen, ſo that it may ſtand perpendicular vpon the leuelled ſurface, which you may doe more preciſely, by fixing a threed in the middeſt of the vpper end of the ſticke, and ſo holding the threed betwixt your finger and thumbe, the Rule will certainely hang perpendicular or vpright.

Then note the length of the ſhadow of the ſayd Rule, and at either end thereof make a marke: then take your Rule and meaſure the ſaid ſhadow before noted, and ſee how many parts of your rule it containes: then reſort vnto your tables placed in the head of each moneth, and there choole the table anſwering to your moneth, and alſo the day of the moneth you deſire the ſame, or the neereſt vnto it you can finde, the dayes of the moneth bee placed in the left hand each table thwart, as in May 12. day 23 day, 31. day. hauing found the day neereſt vnto the day of the moneth, finde the length of the ſhadow in the rowe inſuing hereunto, right ward. Then if your obſeruations were before noone, you ſhall finde the houre of the day in the top of the Table, if in the after noone, in the foote, as is plaine by the inſcriptions.

Example.

The third of Nouember 1608. in the forenoone, I finde according vnto the former inſtructions, the length of the ſhadow to containe 65. parts of my Rule, which is 5 times his length, and $\frac{5}{13}$ parts, or 5. parts ouer, which 65. parts hauing found in my Table anſwering vnto the 3. day of December: I finde ouer the head the figure 9. which ſheweth it was iuſt 9. of the clock before noone: Likewiſe had it been 3. if your obſeruation had beene after noone, ſo of any other, and for want of the iuſt day of the moneth, or true parte of the ſhadow

shadow take the nearest proportionally. The same may the horizontall or Trauellers dor, if he first stand vpright, and note the length of his shadow, and then measure it by his strides, calling euery stride 12 parts, and so enter the table as before.

By the houre of the day to get the height of any thing by his shadow.

The sunne shining, get the houre of the day as before or otherwise by some true Clocke or Dyall, then in the Table aboue or vnder the said houre, accompting as the time falleth before or after noone, finde the length of the shadow answering to the said houre and day of the moneth, & see how many times 12. is contained therein, or what proportion it beareth vnto 12. the same proportion may you safely conclude the height of the perpendicular or tower, &c. to haue to the length of his shadow.

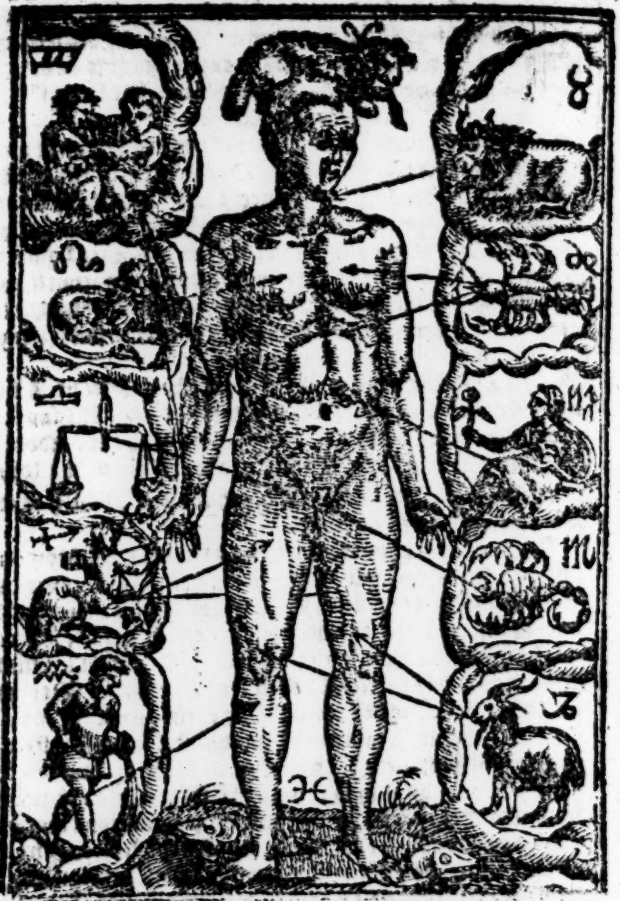
Example.

The 24 of August at 9 of the clocke before noone, I find in the Table answering thereunto, the number 18. I say such proportion that 18. hath to 12. the like hath the shadow to the perpendicular body I conclude the height of the tower to be contained in the length of his shadow, 1½ which is one and a halfe, for so is 12, in 18.

But these and many other, more rare, as well Geometricall and Astronomicall as Arithmeticall and Geodeticall conclusions shall you finde at large set downe in my booke now in printing, intitled The Geodeticall Staffe, wherein you be taught to worke by this new Instrument all kinde dimentions Geometricall, both Arithmeticall & Mechanicall, after which order you be taught the vse of the Hypsometricall Scale Geometricall quadrant, Iacobs Staffe, also the arte of measuring grounds, in such sort as the like was neuer yet published, with the reformation of former practised errors. Also to worke most propositions that may be wrought vpon the Globe or any Astrolobe, onely by the Staffe: then be you taught Trygonometria Sinically by helpe of this staffe: all which instrument is caryed in a very small walking staffe, many other things this Instrument performes, which heare is no place to remember.

To which is added the discription & vse of an Instrument called the Circumferentor, with the reformation of ye plaine Table and Theodelitus, for measuring grounds.

The Anatomicall demonstration of the Moones dominion,



Aries, gouerns head & face: in neck & throte is Taurus place,
Gemini, armes & hands require: & Cãcer doth ẏ brest desire,
Leo, heart & back doth check: ẏ belly & guts at Virgo's beck.
Libra, reines & loines cõmands: & secrets are in Scorpios hãds
Sagittarius hath ẏ thighes: & Capricorne controules the knee.
The legs vnto Aquarius bend: on Pisces power ẏ feet attend.

Ianuarie hath xxxi. dayes.

Houres before noone		12	11	10	9	8
Length of the shadow for the	10. daye	2[illegible]	3[illegible]	49	8[illegible]	550
	20 daye	32	34	4[illegible]	65	209
	30. daye	27	[illegible]9	35	19	[illegible]
Houres after noone			1	2	3	4

1	a	Circumcision.	Scorp. 3		
2	b	Octa. s. Steuen.	Scor. 16	B l G	● New moone the vii. day. 22 minu. after two in the afternoone.
3	C	Octa. of Iohn.	Scor. 29	E q r	
4	d	Octa. of Innoc.	Sagit. 12		
5	e	Edwar. deposed	Sagit. 2[illegible]	D	
6	f	Epiphanie.	Capri. 10		
7	g	Felix & Ianua.	Capr. 25	A	
8	a	Lucian priest.	Aqua. 0	D	
9	b	Ioyce virgin.	Aqua 2[illegible]	I Q	
10	C	Agapit Virgin.	Pisces. 9		☽ First quarter the viii. day, 40 mi. after 4. in the morning.
11	d	Sol in Aquari.	Pisce. 24	l B H r	
12	e	Archade mart	Aries. 8	D	
13	f	Wed comes in	Aries. 23	I q r	
14	g	Felix Priest.	Tauru 7	p	
15	a	Maurice.	Taur. 2[illegible]	B r	
16	b	Marcell bish.	Gemin. 4	G D	
17	C	Octagesima.	Gemi. 16		○ Full moone the xxi day, at vi. a clock before noone.
18	d	Wolstan bish.	Gem. 29	D P	
19	e	Fabian & Seba.	Canc. [illegible]1	r	
20	f	Octa. Hillarie.	Canc. 23	C	
21	g	Agnis virgin.	Leo. 5	P A	
22	a	Vincent mart.	Leo. 17		
23	b	Terme begins	Leo. 2[illegible]	I	
24	C	Sexagesima.	Virg. 1[illegible]		☾ Last quarter the xxx. daye, halfe an houre after two in the morning.
25	d	Conu. of Paul.	Virgo. 2[illegible]	B R	
26	e	Policarpe bish.	Libra. 4	f q H	
27	f	Quind. Hillary.	Libra. 16	l R	
28	g	Valerius bish.	Libra 28	A	
29	a	Theodore priest	Scor. 11.		
30	b	Batilde queene.	Scor. 23	B P	
31	C	Sexagesima.	Sagit. 7	G	

houres before noone.				12	11	10	9	8	7
The length of the shadow for the		10. day		23	25	0	42	8	0
		20. day		30	21	25	54	61	226
		28. day		17	18	2	29	45	112
houres after noone.					1	2	3	4	5

1	D	Byget.	Sagi. 20			
2	e		Capri. 4	D q l		
3	f	Crasti. purifica.	Capr. 19	A		
4	g	Gilbert bish.	Aqua. 2	D h R		● New Moone the v. daye, at midnight.
5	a	Agath. virg.	Aqua. 18			
6	b	Dozothy virg.	Pisces.	R		
7			Pisce 18	f		
8	D	Paul bishop.	Aries. 3	D R		
9	e	Shrove tuesday	Aries. 18	Q		First quarter the xii daye, 46. minut. after iiii. at night.
10	f		Taur. 2	A		
11	g	Scholastica.	Taur. 16	q r.		
12	a		Taur. 30	p		
13	b	Maistran.	Gem. 13	D G		
14		Quadragesima.	Gemi. 25	l		
15	D	Faust. & Ionat.	Canc. 8	D		
16	e	Iulian bishop.	Canc. 20	q		Full Moone the xx. daye, 33. minut. after viii at night.
17	f		Leo. 3	A		
18	g	Hugh bishop.	Leo. 14	R h		
19	a	Prince Hen. bo	Leo. 26	R		
20	b	Wynnes virg.	Virg. 7	D		
21		2. sund in Lent	Virg. 13	A		
22	D	Eric. Martirs.	Libra. 1	h q		
23	e	Policarp.	Libra. 12	F		☾ Last quarter the xxviii. day 24. minut. after v. at night.
24	f		Libra. 25	A h		
25	f		Scorp. 6	R		
26	g	Iurent of Paul	Scorp. 19	l		
27	a	Mector Mart.	Sagit. 2	q		
28		Augst. bishop.	Sagit. 15	p E R		
29	c	Oswalde bish.	Sagit. 29	R		

houres before noone.		12	11	10	9	8	7	6
Th shadow for the	10. day	5	16	19	24	37	74	
	22. day	23	14	16	21	30	54	221
	31. day	11	12	14	18	26	43	112
houres after noone.			1	2	3	4	5	6

1	d	Dauid bishop.	Tayr. 13	Dr	
2	e	Chadde.	Tayr. 27	A	
3	f	Maurice.	Aqua. 12	Dq	● New Moone the vi. dave, 28. minut. after ix. in the morning.
4	g	Adrian mart.	Aqua. 26	Þ	
5	a	Euseb. & Phy.	Pisc. 11		
6	b	4. sund in Lent.	Pisc. 26	R Bl	
7	c	Victor & Victor	Aries. 11	Dq	
8	d	Perpet & Felix	Aries. 26	q	
9	e	Felix mart.	Taur. 10		
10	f	LL. mart. 28.	Tau. 25	I B	
11	g	Sol in Aries.	Gemi. 8	R	First quarter the xiii. daye, 18. minut. after vii. in the morning.
12	a	Gregorie.	Gemi. 21	Dq	
13	b	5. sund. in Lent.	Canc. 4	G	
14	c	Candide mart.	Canc. 17	R	
15	d	Longine mart.	Canc 29	A	
16	e	Cyriacke.	Leo. 12	r	
17	f	Gertrud virg.	Leo. 23	Dq	
18	g	Edward King.	Virg. 5	Þ	
19	a	Joseph mart.	Virg. 17		
20	b	Palme sunday	Virg. 28	A	Full Moone the xxi. daye, 2 quarter before high noone.
21	c	Benedict.	Libr. 10	B J	
22	d	Afrodost.	Libra. 22	F R	
23	e	Theodore.	Scorp. 4	A	
24	f	Init. Reg. Iacob.	Scor. 16		
25	g	Anun. of Mar.	Scor. 28	q	
26	a	Castor mart.	Sag. 11	I	
27	b	Easter day.	Sagi. 25	E	☾ Last quarter the xxix. day, 16. minu. after before 4. noone.
28	c	Martiane.	Capr. 8	G	
29	d	Dorothe.	Capr. 22	D	
30	e	Quirine.	Aqua 6	Ir	
31	f	Adelme.	Aqua. 21	Dl	

Houre before noone	12	11	10	9	8	7	6	5
The shadow for the 11. day	5	11	3	6	23	35	79	5
The shadow for the 21. day	9	9	11	15	21	31	38	167
The shadow for the 30. day	8	8	10	14	19	28	49	133
Houres after noone.		1	2	3	4	5	6	7

1	g	Theodore virg.	Pisces. 5	q R		
2	a	Mary Egypt.	Pisc. 20	h		
3	b	Lowe sunday.	Aries. 5	B		
4	c	Ambrose bish.	Aries. 20	l		New moone the iiii. daye, halfe an houre after vi. in the euening.
5	d	Nicentius.	Taur. 4	A		
6	e	Sexti.	Taur. 19	h q R		
7	f	Euphemie virg.	Gemi. 2	B		
8	g	Egesippus.	Gem. 16	a		
9	a	Past. of 7. vir.	Gem. 29	D l		
10	b		Canc. 12	D		
11	c	quind Paschæ.	Canc. 25	C		
12	d	Zenon.	Leo. 7			First quarter the xii. daye, 28. min. before ten in the morning.
13	e		Leo. 19	C R		
14	f	Leonard.	Virg. 1	l		
15	g	Iudoke bishop.	Virg. 14	B		
16	a	Amatus bishop	Virg. 26	q		
17	b	2. sun. aft. East.	Libr. 8			
18	c	Tres paschæ.	Libr. 1	J		Full moone the xx daye, 41. minut. after two a locke in the morning.
19	d	Eleutherius.	Scor. 2	a		
20	e	Victor bishop.	Scor. 14	l		
21	f	Simeon.	Scor. 26	l		
22	g	Sother virg.	Sagi. 9	q		
23	a	George mart.	Sagi. 21	E		
24	b	3. sun. aft. East.	Capr. 5	q		
25	c	Mark the Euan.	Capr. 18	l R		
26	d	Clete byth.	Aqua. 2	A ♂		Last quarter the xxvii. day 42. min. after vi. before noone.
27	e	Anastasius.	Aqua. 16	n		
28	f	Vitalis.	Pisces. 1	D		
29	g	Peter of Myl.	Pisc. 16	l R		
30	a	Erkin.	Pisc. 30	B		

May hath xxxi. dayes.

Houres before noone	12	11	10	9	8	7	6	5	4
The shadow for the 12. day	7	8	10	3	17	29	43	100	minu.
23. day	7	7	9	12	17	24	39	82	2580
31. day	6	7	9	12	16	23	37	74	365
Houres after noone.		1	2	3	4	5	6	7	8

1	B	Philip & Jacob	Aries. 15	l	
2	c	quinq. Paschæ.	Aries. 29	I D	
3	d	Inuent. o cross	Taur. 13		● New Moone
4	e	Christopher.	Taur. 27	K B	the iiii. daye,
5	f	Ascension day	Gemi. 11		58. minu. after
6	g	Crasti Ascens.	Gemi. 24	Dq	iii a clock in the
7	a	Euphemie vir.	Canc. 7	i	morning.
8	B	6. sun. af. East	Canc. 20	q	
9	c	Terme ends.	Leo. 3	A D	
10	d	Gordian & Epi	Leo. 15	l	
11	e	Appolino.	Leo. 27	p	☽ First quarter
12	f	Sol in Gemini	Virg. 10	R	the xi. daye,
13	g	Sernatius.	Virg. 22		40. minu. after
14	a	Boniface.	Libra. 4	l	iiii. in the eue-
15	B	Mariundae	Libra. 16		ning.
16	c	Brandon bish.	Libra. 28	A	
17	d		Scor. 10	I R	
18	e	Ember weeke	Scor. 23		○ Full Moone
19	f	Dunstan.	Sagit. 5	p	the xix. day,
20	g	Barnardine.	Sagi. 18	E	50. minut after
21	a	Hellen Queene	Capri. 1	q	three in the after
22	B	Trinity Sun.	Capr. 15		noone.
23	c	Desiderii mart.	Capr. 29	C	
24	d	Trans. of Fran.	Aqua. 13	G	
25	e	Adelme bishop.	Aqua 27		☾ Last quarter
26	f	Augustine.	Pisce. 17	p	the xxvi. day,
27	g	Germanicus.	Pisce. 26	B	38. minut. after
28	a	Corone mar.	Aries. 10		iiii. at night.
29	B	Nicho. mede.	Arieg. 25	H l D	
30	c	Octaui. trinita.	Taur. 9	I	
31	d	Nerius	Taur. 23	I	

houres before noone.	12	11	10	9	8	7	6	5	4
The shadow for the 2. day	6	7	9	12	16	23	37	74	565
The shadow for the 12. da	6	7	9	12	16	23	30	72	453
The shadow for the 23. da	6	7	9	14	16	23	37	74	565
houres after noone.		1	2	3	4	5	6	7	8

1	e	Nicho. mede.	Gem. 6	h	
2	f	Marcellus	Gem. 20	R	
3	g	Erasmus mar	Canc. 3	D	● New Moone the ii. day, at two a clocke after noone.
4	a	Petrochus.	Cane 15		
5	b	Molkane.	Canc. 28	a	
6	c	Quard. Trinit.	Leo. 10	D I	
7	d	Medard.	Leo. 23	l	
8	e	Transl. Edmõd	Virgo. 5	q	
9	f	William confes.	Virg. 17	R	
10	g	Iuan confessor	Virg. 29	A	First quarter the x. day, v. minu. after x. in the morning.
11	a	Barnabe Apost	Libra. 11	h R	
12	b		Libr. 24	l	
13	c	Tres Trinit.	Scorp. 6	f	
14	d	Anthony cõfes.	Scor. 19	I	
15	e		Sagi. 1	B	
16	f	Transl. Richard	Sagi 14	h q	
17	g	Botulph mart.	Sagi 27	R	Full Moone the xviii. day 33. min after ii. in the morning.
18	a	Martin. Mar.	Capr. 11	P	
19	b	Gervasius.	Cap. 25	A	
20	c	Tran of Edw.	Aqua. 9	D G	
21	d	Audrie.	Aqua. 23		
22	e	Albane mart.	Pisce. 7	l D	
23	f		Pisc. 22	B	
24	g		Aries. 7	P R	☾ Last quarter the xxiiii. day a litle before ix. at night.
25	a	Tran of Nicol.	Aries. 21	q	
26	b	John & Paul.	Taur. 5	A	
27	c	Crescens.	Taur. 19	I R	
28	d	Leonis.	Gemi. 3		
29	e		Gem. 6	h	
30	f	Comm. of Paul.	Gem. 29	q	

Iuly hath xxxi. dayes.

houres before noone		12	11	10	9	8	7	6		45
The shadow for the	3. day	7	7	9	1[illegible]	16	24	39	18	1580
	14. d.	7	8	10	13	17	26	43	100	infinit
	24. d.	8	8	10	14	19	28	49	139	infinit
houres after noone.			1	2	3	4	5	6	7	8

1	g	Oct. Ioh Bap.	Canc.	A	
2	a	Visit. of Mary.	Canc. 24	O	● New Moone the ii. daye, three quarters past one in the morning.
3		Trans. of Tho.	Leo. 7	G	
4	c	Trans. Mart.	Leo. 19		
5	d	Zoe virg.	Virg. 1	q	
6	e	Octa. of Peter.	Virg. 13	D	
7	f	Martialis.	Virg. 25	B	
8	g	Chillian.	Libra. 7	H q R	
9	a	Ciril bishop.	Libra. 19		First quarter the x. day, at iii. a clocke in the morning.
10		7. brith. mart.	Scorp. 1	A	
11	c	Trans. of Ben	Scor. 14	D I R	
12	d	Nabor & Felix.	Scor. 26	D	
13	e	Sol in Leo.	Sagit. 9	H	
14	f		Sagi. 22	R	
15	g	Trans. of Swi.	Capri. 6	G	Full Moone the xvii. day, 4. minuts after high noone.
16	a	Trans. Osmun.	Capr. 20	q	
17		Kenelme King.	Aqua. 4	v	
18	c	Arnolph. bishop	Aqua. 18	D	
19	d	Nati. Reg. Iaco.	Pisces. 3	R D	
20	e	Dog dais beg	Pisce. 18	q	☾ Last quarter the xxiiii day 20. minu. after ii. in the morn.
21	f	Praxedis virg.	Aries. 2	l	
22	g	Mary Magd.	Aries. 17	q	
23	a	Apolin bishop.	Taur. 1	A	
24		Christiã.	Taur. 16	D I R	
25	c	Fast	Taur. 30	B	
26	d	An mot. of Ma	Gem.	H R	● New Moone the last day, a quarter past three after noone.
27	e	Vii. sleepers.	Gemi. 26		
28	f	Inic. Re. Ia. Sco.	Canc. 9	D R	
29	g	41. years since.	Canc. 21	A	
30	a	Abdon & Sem.	Leo. 4	G q	
31		Germay bishop.	Leo. 16	R	

Houres before noone.			12	11	10	9	8	7	6	5	4
The ſhadow for the	3. daye		9	9	11	15	21	21	58	207	
	14. day		10	11	13	16	23	6	72	infinite.	
	24. day		11	12	14	18	20	43	111	infinite.	
houres after noone				1	2	9	4	5	6	7	

1	c	Kalendas Day.	Leo. 28			
2	d	9 ſun. aft. Tri.	Virg. 9	♍		
3	e	Inuent. of Ste.	Virg 21	♍ ☽		
4	f	Iuſtine prieſt.	Libra. 3	♎		Firſt quarter the viii. day, neere ſeuen at night.
5	g		Libr. 15	q		
6	a	Tranſ. Chriſt.	Libr 26	♌		
7	b	Feaſt of Ieſus.	Scorp. 9	♏ ♃		
8	c	Cyriacke.	Scor 21	☿ ♍		
9	d	Roman mart.	Sagit 4			
10	e	Lawrence mart	Sagi 17	q		
11	f	Tiburt mart.	Capri. 0	☽		Full Moone the xii. daye, at viii. at night.
12	g	Clare virgin.	Capr. 14	♑		
13	a		Capr. 28	♌ ♂		
14	b	Euſebius.	Aqua. 12	♐		
15	c	Aſſump Mary	Aqua. 27	p q		
16	d	Roch. mart.	Piſc. 12	♐		
17	e	Octa. of Lawr.	Piſc. 27	☿ ☽ ♄	☾	Laſt quarter the xxii daye, x. min. after x. before noone.
18	f	Agapit mar.	Arles. 12			
19	g	Magnus mart.	Arie. 26	♈ ♃ q		
20	a	Lodowicke.	Taur. 11	♉		
21	b	Barnard conf.	Tau 25	q		
22	c	Ruffus.	Gemi 9	☿ ♄		
23	d		Gem. 23	☽		
24	e		Canc. 6	♋ q		
25	f	Lewes king.	Canc. 19	♑	●	New Moone the xxv. daye, three quarters after vi. before noone.
26	g	Seuerine mart	Leo. 1	♌		
27	a	Ruſtine mart.	Leo. 13	♐		
28	b		Leo 25			
29	c	John beheaded.	Virg. 3	q		
30	d	Felix & Aud.	Virg. 19	☽ ♍		
31	e	Cuthbert.	Libr. 0	☿		

houres before noone.			12	11	10	9	8	7	6	
The shadow for the	3. day		13	14	16	21	30	45	221	
	14. day		15	16	19	24	37	73	infinite	
	24. day		17	18	22	29	45	112	infinite	
houres after noone.			1	2	3	4	5	6		

1	f	Gyles abbot.	Libra. 12			
2	g	Anthony mart.	Libra 23	A		
3	a	Odin. Grego.	Scorp. 5	☽ R		First quarter the iii. daye, 20. min. after ix. in the morning.
4		Trans of Cut.	Scor. 17	L F		
5	c	Bertine.	Scor. 30	B ♄		
6	d	Eugenius.	Sagit. 12	R		
7	e	Mat. O. Eliza.	Sagi. 25	q		
8	f	Natt of Mary	Capri 8	E R		
9	g	Gorgon mart	Capr. 22	I A		
10	a	Silvius.	Aqua. 6	♀		Full Moone the viii. day, at iii. a clock in the morning.
11	b	Proth. & Jacin.	Aqua. 21	D		
12	c	Martinian.	Pisces. 5			
13	d		Pisce. 20	B D		
14	e	Holy crosse.	Artes. 5	♂		
15	f	Nichomede m.	Aries. 20	♃		
16	g	Edith virg.	Taur. 4	I		
17	a	Lambert bish.	Taur. 18	B D I		
18		Victor & Coron	Gem. 2	☿ q		Last quarter the xv. day, at x. at night.
19	c	Januarie mar.	Gem. 15	R		
20	d		Canc. 28	♀ q		
21	e		Canc. 10	D		
22	f	Mauritius.	Canc. 22	C		
23	g		Leo. 4	I D q		
24	a	Andocheus.	Leo. 16			New moone the xxx. day a quarter before one in the morning.
25		Fyrmini bysh.	Virgo. 4			
26	c	Cyprian & Just.	Virg. 16	D		
27	d	Cosme & Dam	Virg. 28	B R		
28	e	Exuperius.	Libra. 9	♄		
29	f		Libra 21	A		
30	g	Hierome priest.	Scor. 2	F		

houres before noone.	12	11	10	9	8	7
The shadow for the 4. day.	20	21	25	34	61	206
14 day.	23	25	30	42	79	6896
24 day.	27	29	35	59	infinite.	

houres after noone.	1	2	3	4	5

1	a	Remigius bish.	Scor. 15		
2	b	Leodegar.	Scor. 27	B	
3	c	Candide mart.	Sagit. 9	♄ R	
4	d	Francis conf.	Sagi. 21	L q	☽ Fyrſt quarter the vi. daye, halfe an houre after nine at night.
5	e	Appolinarii.	Capri. 4	p	
6	f	Oct a. Micha.	Capri. 17	p A	
7	g	Marci. & Mar.	Aqua. 1	q	
8	a	Pelagius virg.	Aqua. 15	D	
9	b		Aqua 29		
10	c	[illegible]	Pisce. 14	D q	
11	d	Gereon & Alex.	Pisces 29	B	○ Full Moone the xiii. daye 50. minu after high noone.
12	e	Calixt.	Aries. 14	♄	
13	f	Quiad. Mich.	Aries. 29	p	
14	g	[illegible]	Taur. 14	D q	
15	a	Wolfran.	Taur. 28	B	
16	b	Mich. mount.	Gem. 12		
17	c	Etheldred.	Gem. 26	♄	
18	d	[illegible]	Canc 10	D q	☾ Last quarter the xx. daye, 18. minu after one in the afternoone.
19	e	Frideswide.	Canc. 23	☿	
20	f	Tres Michael.	Leo. 6	D R	
21	g	II. Mar. Virg.	Leo. 18	q ♂	
22	a	Mary Salom.	Virg. 1		
23	b	Rovia. arch.	Virg. 15	☌	
24	c	Magloire.	Virg 25	B R	
25	d	Eric. & Crispi.	Libra 7		
26	e	Ursula.	Libr. 18		
27	f	Men. Mic.	Scorp. 0	☿ ♄	● New Moone the xxviii. da. 15. min. after, v. at night.
28	g		Scor. 12	R D	
29	a	Narcissus bish.	Scor. 24	B ♃	
30	b	Germ. bishop.	Sagit. 6		
31	c	Quintin.	Sagi 18		

Nouember hath xxx. dayes.

houres before noone.		12	11	10	9	8
The shadow for the	3. daye.	32	34	42	69	209
	13 day.	36	39	49	83	550
	23. day.	40	45	57	104	infin.
houres after noone.			1	2	3	4

1	d	All Saints.	Capr. 1	H	
2	e	All soules day.	Capr. 14	E	
3	f	Crast. Animarñ	Capr. 27	A	☽ First quarter
4	g	Amantius.	Aqua. 11	D	the v. day, 46
5	a	Lete priest.	Aqua. 9		minu. after vii.
6	B	Leonarde.	Pisces. 9	D G	in the morning.
7	c	Wilfride arch.	Pisce. 24	I B	
8	d	[illegible] Crowned.	Aries. 8	q R	
9	e	Theodore.	Aries. 23	A	
10	f	Martin.	Taur. 8	D H	○ Full Moone
11	g	Martin bishop.	Taur. 22	P	the x. daye,
12	a	S. Sian Sagita.	Gem. 7	I	at midnight.
13	B		Gem. 21	q R	
14	c	Trans. of Erk.	Canc. 4		
15	d	Macutes.	Can. 17	D H	
16	e	Edmund arch.	Leo. 1		
17	f	Hugh.	Leo. 14	C	☾ Last quarter
18	g	Octa. Martini.	Leo. 29		the xxix. day,
19	a	Elizab. matt.	Virg. 9	q R	at viii. in the
20	B	Edmund King	Virg. 21	E	morning.
21	c	Presen. of Mar	Libra. 5	q	
22	d	Cicely virg.	Libra. 13	B R	
23	e	Clement.	Libra. 27	R	
24	f	Grisogoni mar.	Scorp. 9	A q	● New Moone
25	g	Quind Mart.	Scor. 21	H	the xxvii day
26	a	Line bishop.	Sagit. 3	B	30. minu. after
27	B	Advent sunday	Sag. 16	R I	x. before noone.
28	c	Terme ends.	Sagi. 28		
29	d	Saturn.	Capr. 11	E q H R	
30	e	Andrew apost.	Capr. 24	A	

December hath xxxi. dayes.

	houres before noone.	12	11	10	9. 3	
The shadow of the	3. daye	43	47	62	122	
	13. day	45	49	65	131	
	23. day	43	47	62	122	
	31. day	40	45	47	104	

1	f	Eligius bish.	Aqua. 7	D	
2	g	Loy bish.	Aqua. 21	B	
3	a	Libanus mart.	Pisces. 5	D q R	First quarter
4		Barbar virg.	Pisce. 19	P G	the iiii. daye,
5	c	Sabba Abbot.	Aries. 4	R	xiii. minu. after
6	d		Aries. 18	l q	iii. at night.
7	e	Ambrose.	Taur. 3	D R	
8	f	Concep. Mary	Taur. 19	V g	
9	g	Ciprian abbot.	Gem 2	B	
10	a	Eulalia virg.	Gem. 15		Full Moone
11		Damasius.	Gem 29	P	the xi. daye,
12	c		Canc. 13	R	xviii. min. after
13	d		Canc. 16	C	high noone.
14	e		Leo. 9	D	
15	f	Valery bishop	Leo. 21		
16	g	Ochilia virg.	Virgo. 4	E L R	
17	a	Lazarus.	Virg. 10		Last quarter
18		Gracian bish.	Virg. 28	G	the xix daye,
19	c	Venetia virg.	Libra. 10	R	50. min after 4
20	d		Libr 23		in the morning.
21	e		Scorp 5	L f q R	
22	f	30. Martyrs.	Scor. 17		
23	g	Victor virgin.	Scor. 29	l q	
24	a	Claudy.	Sag. 12	B	New Moone
25			Sagi 24		the xxvii. day
26	c		Capri. 7	E H	43 minu after
27	d		Capri. 20		one in the mor-
28	e		Aqua 4	A	ning.
29	f	Thom. Becket	Aqua. 18	q R	
30	g	Trans. James.	Piscea. 2	D	
31	a	Silvester bish.	Pisce. 16	l	

Hopton. 1608.

No president, but a plain Prognostication for this yeare of our Lord, 1608. being leape yeare.

Wherein the stabilitie and concentricitie of the Earth is proued, with the originall ground of the leape yeare.

To which also is added, a newe exact and compendious Concordance of yeares, with briefe preiudication of this Reuolution, argued from the positions and Radiations of the moueable luminaries, to this our darke and fixed starre of mortalitie. With many other new and fresh varieties, neuer yet published by any: some whereof bee referred to the worthy Towne of Shrewsbury, others generall.

Written by Ar. Hopton, Gent.

Astra regunt homines, & regit Astra Deus.

LONDON,
Printed for the Companie of Stationers.

Our English Kalender for this yeare 1608.

The golden Number.	13
The Cycle of the Sunne	21
The Dominicall let:	C. B.
The Roman Indiction.	6
Epact.	23
Betwixt the natiuity of our Lord and Quinquagesima Sunday, 6. weekes, 2. daies.	
First Sunday in Lent, February.	14
Easter day, which wee most obserue, called Pascha Visitatum. Mar. 27.	
The Iewes Easter called Pascha Hebræorum, which they haue omitted, contrary to the commandement of God should fall, Mar. 22. day.	
Pascha, or Easter after the ancient Fathers on Mar.	27
Ascention day, May, 5.	
Whit sunday, May 15.	
Aduent Sunday, Nouem.	27
Betwixt Trinity and Aduent 26. weekes.	

The contents of the Roman Kalender for this yeare, 1608.

Aureus Numerus.	13
Cyclus Solaris.	21
Literæ Dominicalis.	F. E.
Indictio Romana.	6
Epactæ:	1
Interuallum minus	hebd. 7. & die 5.
Quinquagesima, Feb. 24	
Dominica Paschatis, which the Romanes keepe at this day. April. 6.	Ap. 7
Pasch Hebrorum.	
Pascha visitatum.	Ap. 6.
Ascensio Domini.	Maij. 15.
Pentecost May, 25. so called, a Pẽta, which is quinque & Coste, which is decẽ as it were, containing quinquies decem dies: for there be quinquaginta dies, 50. daies betwixt Pentecost and Pascha, or Easter inclusiuely, and Pascha with the Hebrewes, but Basis with the Greekes & Transitus with the Latins.	
Aduentus Domini. Nou. 30.	
Dominica post Trinitatis	25

Nota pascha dicitur transitus, quoniam tunc non esse ad esse factus est rerum transitus, atq; Angeli exterminatoris in veteri legem. Aegypto nec non & Christi de mortalitate ad immortalitatem, nostram figurantis transitionem de vitijs ad virtutes, & de hac vita ad æternam.

A shorte

A short refutation of those opinions that denie the Earth to rest as the fixed center to the Heauens.

TO seek to prooue the Globossity of the Earth were vaine, since it is denyed by none, and may daily be maintained as well by the Eclipse of the Moone, as by the eleuation of stars, and diuersitie of Horizons. But some happily may obiect the height of diuers hills, which compared vnto the Diameter of the Earth, are of no moment, for the highest mountaine that is: his perpendicular altitude put to the Diameter of the Earth, maketh but 15. stadia more then the Diamet: which is not all so much as 2. is to 6872. and eight eleuens hindering nothing the rotunditie, more then if a large Globe were sticked here and there with small pinnes heads.

Now for the circular and naturall motion that Coupernicus and his Disciples affirme to bee in the Earth, I will first answere them out of Aristotle 1. De cœlo. cap. 14.

1. Euery body the more naturall that he is moued, the more he seeketh rest, because his locall motiō is for rest or quiescere.

The partes of the Earth, and therefore the whole Earth is naturally carried ad medium, therefore it must there also take rest.

2. If the Earth were mooued, this motion should bee most violent, for whereas it is heauy, and therefore doth rest in the mindest of the world, it cannot be moued into any other place vnlesse violently.

But the earth is not moued violetly. Therfore not moued at al.

If the motion were violent, it could not possible be perpetuall: quia motus violentas non diu durat. or if the motion were circular & naturall (as they would haue it,) it could not be durable. For Quod caret alterna requie, durabile non est. But what then shall we say, whereas they insist against the ancient Philo: with their owne Axioma, quod infinitum est pertransiri nequit nec vlla ratione moueri; stabit necessario cœlum. For they affirme the heauens by reason of the increasing of the circumference to be infinite, so that their motion should be infinite & neuer compleat, especially in 24. hou: To which it may be answered briefly with the cōsent of all, Philo: Cœlum esse

 infi-

infinitam, non magnitudine sed durationē. For who can deme the spherical concauity of the heauens to be rather infinit and not finite, the starres be knowne, their distances are measured, and found to agree with our Mathematicall imaginations, with our Geometricall demonstrations, with our Arithmeticall calculations, with our Astronomicall obseruations, which if they were infinit, it could not be, for finites compared vnto infinites, there can be no proportion.

But yet admitting this motion of the earth, then also do they pull in a threefold motion, whereof the one is compleat in 24. ho: frō west to east, vpon the poles of the worlde, & that motion of necessitie must be, else there can be no likelyhood of any, which will be answered with familiar examples. Say they, if we hold that the heauens moue, & the earth doth stand still, or that the heauens are fixed, & that the earth doth moue, there shall arise no inconueniences, which is false.

If the earth were moued circularly vppon his poles from West to East in 24. ho: (as they think) it then should be more difficult to trauell into the West then into the East, which is contrary to experience, & it would behoue the aire to moue that way also, which would bee an impediment to trauellers, euen as it is to goe against the wind: also the birds could not flie so wel into the East as otherwise, by reason of the inlequentie of the ayre, which would beate vp their feathers, for the birds be seene to flie better against the winde, then with it. Orontius noteth, that if the earth were moued locally, Non semper eadem pars terræ, manet medium mundi: sed fit alia & successiue. So that in long time that part of the would which resteth now in the Center, would come to the Circumference & contrarie, whereby great hills, buildings, and rockes, would bee throwne downe and swallowed vp in the Earth.

Then for their obiections, to say that it is all one to hold that the heauens are fixed, & the Earth moueth, &c. I say, that that cannot holde, for there shall great inconuenience arise in the coniunctions and oppositions of the Planets, which the motion of the Earth can no wise salue, neither can it salue that which we see with our eyes: for when byrds and clouds moue towardes the East, of necessitie they shoulde alwayes

moue

moue towardes the West: butto giue one plaine instance for all.

It is a common receiued opinion, that any heauie thing throwne vpwards by a plumbe line, returneth downe in a perpendicular motion, insomuch that if you shoote an arrowe, or discharge a Peece plumb vpright, if then the earth stand still, the said arrow or bullet, hauing runne vnto the very Tropical point of his violent motion, shall returne in his natural motion by a perpendicular line, to the very place whence it was discharged: but if it be so that the Earth moue into the East, thē shal you be carried by the motion thereof so far East, that of necessitie the arrowe shall fall into the West, so many miles as agreeth with the proportiō of time that the arrow stayed in the ayre, in this diurnall motion that they would haue, the Earth is carried 900. miles in an ho: let the arrow be but three minutes aboue ground (which hee may well bee) I say by that this arrow fall to the Earth againe, I shal be carried so far into the East, that the arrowe must needes fall 45. miles West from me, vnlesse you be iust vnder the pole: so that it is scarce possible (admitting this motion) to shoote an arrowe and finde it againe by his course perpendicular or hypotenusall.

If these familiar examples can nothing preuaile, but that the massy, heauie, & vnapt mouing substance of the Earth must be rolled about, & that the most absolute Spherticall & vniforme figure of the heauens doth stand still, and all those heauely bodies rest idle, let thē then consider of the motion of the stars in the 8. spheare & procession of the Equinoct: which is seene apparantly euery 100. yeare & lesse, which the motion of the Earth can no wise cause. What shal we need to care for their placing of Venus aboue the Sun, as authorized by Plato in his Tymæo sinc: wee know that hee is held for a better Philosopher then Mathematitian: but yet I maruel if Plato were liuing, what hee would doe with the great spate betwixt the Moone & the Sun, which containeth 1905. semidiameters of the Earth. There be reasons sufficient to disanull that authority, besides Auerrois opinion, who saw a small spot in the Sun, at such time he had obserued a coniunction corporall betwixt the Sun and Venus. Whereby it should seeme hee was

deceiued, for Venus is not oppacions as the Moone: neither
neede wee to feare Martianus Capella, in his Encyclopedia,
who they bring for authoritie of the circular motion of Venus
and Mercury about the Sunne, orging their mall elongation
from the Sun. Which they say must of necessity be the capassi-
ty of their orbes or spheres. But to run vpon these particulars
here is no fit place, and the rather because there is spoken suf-
ficient before to ouerthrowe any objection that can bee made:
yet if that will not suffice, let them reade the holy Scriptures,
as Psal. 24. vers. 2. Psal. 104. vers. 5. 9. 10. and there they may
finde satisfaction, vnlesse they will turne Atheists, or make a
contrary exposition of the Prophets meaning.

Nowe as they holde this motion in the Earth, so doe they
denie the Earth to rest as the fixed center vnto the Heauens,
which they may as boldly affirme, as the whole sect of the Py-
thagorians doe, that the Element of fire (if there be any) was
the true center of the world. But I say against the both, if the
Earth were not the common center to the heauens, then could
there not always be sixteen Zodiaques about the earth,
and I below at once; so if the Earth were out of the center,
we should see more or less: this may be proued also by motion.

There are but 3. simple motions, that is to the center, which
is deorsum, or from the center which is sursum, or about the
center, which is circular. Now all heauy things by a general
consent of all the Philosophers, mouet to the center (according
to the Axiom, Omne grave tertur deorsum ad centrum vbi
quiescit: (for indeede to what place else should grauitie be
referred.) So the Earth beeing the heauiest of all other Ele-
ments, necessarily must rest in the center, whereby also the
tot globosity of the Earth is proued: as first, by the falling of
many ponderous substances equally about the center, there is
made rounde & material substance, and then by the striuing of
each part to come vnto the center, the Earth is made sound &
firme. Doubtless the heauenly spheares be homocentrick to
the Earth. Notwithstanding the Eccentricitie admitted for
the Calculation of some motions of the Planets, (which the
deniers hereof insist much vppon,) for who can denie but that
the Earth is concentricke to all the fixed starres, since at all

times

times they are seene to be of like distance from the center of the Earth. What tho it bee not found so in the wandring starres which haue their Apogæon & Perigæon? that we therefore say that the Earth is not the center? Neither would reason teach vs to imagine that it were more consistent that the ponderous & heauy Earth should mount or fall from his place, to be nearer or further off the starres, or that these fewe wandring starres (being most apt to moue,) by a certaine anomality that is found in their motion, should sometime moue nearer vnto the earth then at other times. They haue obserued this diuersity in none of the fixed starres: but let vs here leaue altogether imagining, as some before me haue done, that Copernicus wrote these hypotheses, but by the way of suppositions, by which he hath much perfected the Theoriks of the Planets: and in some places he partly confesseth the same, when he saith; Tanquam hypotesin demonstretur: but howsoeuer when I shall see better reasons to the contrarie, I shall be ready to forsake my former opinion. In the meane time giue me leaue to thinke it most idle, to affirme that the Earth should moue, and that the Heauens should rest permanent, and that the Earth should bee without the center of the Heauens, moued about the Sunne, as about the true center of the world.

Of the Leape yeare, and the cause thereof.

IVlius Cæsar in the yeare of the world 3925. which was 45. yeares before Christ, wel noting the failures & inconstancy of the yeare they then vsed, consisting of 365. daies, by the counsel of Sosigenus & other noble Mathematicians, appointed that the yeare should consist of 365. dayes, & 6. ho: So that there should be gotten euery 4. yeare one day, for foure times sixe, is 24. ho: which day they added, making 366. days as this yeare doth, & that yeare they called Leape yeare, or Bissextill, of Bis and Sextus, because the 6. day next before the Kalendes of March is twice repeated, which is the 25. of Februarie, placed in Februarie, as wel for that it is the shortest month, as also for that according to our churches account, it is the last month: so that the letter F. in Februarie, is twise together repeated,

Saint Matthias day being obserued on the latter, according to the verse,

Bissextum sextæ Martis tenuere Kalendæ
Posterior die celebrantur festa Matthiæ.

And if this Bissextill were omitted, in 364. yeares, the nativity of our Lord would fall to be kept where the Annuntiation of our Lady now is, because in that space there would be 91. daies gotten, which is the fourth part of 364. daies. But now since this first institution of the Bissextill, to take away the errors that were brought in by the excesse of certaine minutes in the Julian yeare, Antonius Lilius, & others learned in Astronomy, by help of a book that one Petrus Pitatus writ, ad Pium quartum pontificem, & to the Trident Councell haue greatly amended the quātity of the yeare by the authority of Gregory 3. Pope, & haue much corrected the vulgar notes of the yeare: for they haue made the yeare now to cōsist of 365. daies, 5. ho: 49. min: 12. sec: as wel because it wel appeareth by the diuision of 146097. dayes by 400. As also for that in the new forme of the yeare euery 400. yeares. Julian which consist of 146100. daies, if they omit 3. day intercalculated, it shall appeare that 400. new yeares, haue onely 146067. dayes, which if you diuide by 400. there shall rise the foresaide number of daies, houres, & minutes, & yet neither is this kinde of yeare precisely true, by reason of the anticipation of the Equinoctiall.

By reason whereof the Romanes & wee differ in our Kalender, and the celebration of festiuall dayes: the ground of which alteration & reason of both sides, if God spare life, & I fortune to write, the next yeare I will acquainte you with: till then consider of the diuersities of celebration thereof, as is noted before: & vpon good consideration it may appeare, that by this anticipation, the dayes and moneths in processe of time would so winde about, that the Natiuity of Christ, which is thought by most to haue beene the shortest day in the yeare, will come to be the longest day: so that the 25. of December, should fall about the 12. of June: and should happen 16200. yeares to come, if God would the world should so long endure, and our Kalenders not amended.

The

The description and vse of a newe and excellent Table, called the Concordancie of yeares, being most excellent for Lawyers, or anie other liuing in this age.

THis Table in thy ciuill & domesticall affaires, shall do thee much necessary seruice: the vnderstanding whereof is thus. First, on each side euery page there is placed two Tables, then euerie Table is diuided into 5. seuerall collums, or rowes, the first whereof vppon the left hand, doth containe the yeares of our Lord God, as is plain, by the superscription, beginning at 1066. at what time the Conqueroure began, & so proceeding forth successiuely to the row vpon the left hand, vntill this present yeare, 1608. Then the second rowe is placed vnder the title of Epact, which sheweth what number was Epact euerie yeare since the Conquest. The third row is placed vnder the title of Kings raigne, which sheweth the yeare of that Kings raign, which is placed next about or before it. The fourth row is placed vnder the title of Time Expired, shewing howe manie yeares it is since any yeare of any Kings raigne, or since anie yeare of the world to this present yeare 1608. or any other. The fift and last rowe is placed vnder the title of Easter day, shewing what day of the month Easter day fell vppon manie yeares since the Conquest. So that by helpe of this Table, may you resolue anie Question that can arise in our English computation whatsoeuer, as will better appeare by these fewe familiar examples, in viewing of which, you may gather the vse of the whole Table.

Data.

Quest. 1. { I would know in the yeare 1599. what was the Epact, what the Prime, Dominicall letter, and what day of the moneth Easter day was on?

Resp.

First in the row vnder the yeare of our Lord, find the yeares 1599. In the next rowe rightwardes right against the said yeare, stands 14. The Epact against which in the 5. row vn-

der

der the title of Easter day standeth Apr. 8. vpon which day of the month, Easter day fell vpon that yeare Then if you would know, what was the Dominicall letter, see in the Kalender what letter standeth against the 8. day of Aprill: so shall you finde G. which was the Sunday letter that yeare.

And you must note in the Scape (as is said) the yeare hath 2. Dominicall letters, whereof the latter serving to the yeares ende, is placed in the third rowe vnder the titles of Kings raignes, & the next following the same is the letter for the beginning of the yeare, as 1608. B. serueth to the yeares ende placed in the third rowe, and C. beginneth the yeare.

Now to finde the Prime, seeke the Epact of your yeare in the lower of the subscribed rowes, ouer the head of which is placed the Prime of that yeare.

Prime	11.	3.	14	16.	17.	9.	1.	12.	4.	15.	7.	8.	10.	2.	13.					
Epact	1.	3.	4	6.	7.	9.	11.	12.	14	15	17.	18.	20.	22.	23.	25.				
Prime	16.	8.	19.																	
Epact.	26.	28.	29,																	

Quest. 2. How may I finde out any of the other moueable feasts, because many times deedes, &c. beare date onely vpon such dayes, without mention of the day of the moneth.

Resp.

Hauing found Easter day, as is taught and noted, what day of the month it falleth vpon in this Kalender, from that daye of the moneth, count sixe Sundayes backwards, so haue you the first Sunday in Lent, or Quadragesima, and then goe backe vnto the next Tuesday, so haue you Shrouetuesday, then from Easter day forwardes, count 35. dayes, or 5. weekes, so haue ye Rogation Sunday, to that adde 4. daies, so haue ye Ascention day, 10. dayes after is Whitsunday, 7. daies after is Trinitie Sunday, and 4. dayes after that, is Corpus Christi day, this needeth no example.

A true Concordancy of yeares for this yeare, 1608.

Years of our Lord	Epact	Sunday Letter	Time expired,	Easter day
Wil: Con. began				Oct. 14
1065	3	1	542	Ap. 16
1066	14	2	541	Ap. 8
1068	15	E.	54	Ma. 23
1069	26	4	53	Ap. 12
1070	17	5	538	Ap. 4
1071	28	6	537	Ap. 24
1072	9	G.	536	Ap. 8
1073	20	8	535	mar. 31
1074	1	9	534	Ap. 20
1075	12	10	533	Ap. 5
1076	23	D	532	Ma. 27
1077	4	12	531	Ap. 16
1078	15	13	530	Ap. 8
1079	26	14	529	Ma. 24
1080	7	C.	528	Ap. 12
1081	18	16	527	Ap. 4
1082	29	17	526	Ap. 24
1083	11	18	525	Ap. 9
1084	22	F.	524	Ma. 31
1085	3	20	523	Ap. 20
1086	14	21	522	Ap. 5
1087	25	22	521	Ma. 28
Wil: Conq: died				Sep. 9
Wil: Rufus bega				
1087	25	1	521	Ma. 28
1088	6	A.	520	Ap. 16
1089	17	3	519	Ap. 1
1090	28	4	518	Ap. 21
1091	9	5	517	Ap. 13
1092	20	G.	516	Ma. 28
1093	1	7	515	Ap. 17
1094	12	8	514	Ap. 9
1095	23	B.	513	Ma. 25
1096	4	C.	512	Ap. 13
1097	15	11	511	Ap. 5
1098	26	12	510	Ma. 28
1099	7	13	509	Ap. 10
1100	18	G.	508	Ap. 1
Wil: Rufus died				Aug. 1
Henry 1. began				
1100	18	1	508	Ap. 1
1101	29	E.	507	Ap. 21
1102	11	3	506	Ap. 6
1103	22	4	505	Ma. 29
1104	3	A.	504	Ap. 17
1105	14	6	503	Ap. 9
1106	25	7	502	Ap. 25
1107	6	8	501	Ap. 14
1108	17	D.	500	Ap. 5
1109	28	10	499	Ap. 25
1110	9	11	498	Ap. 10
1111	20	12	497	Ap. 2
1112	1	F.	496	Ap. 21
1113	12	14	495	Ap. 6
1114	23	15	494	Ma. 29
1115	4	16	493	Ap. 18
1116	15	A.	492	Ap. 2
1117	26	18	491	Ma. 25
1118	7	19	490	Ap. 14
1119	18	20	489	Ap. 6
1120	29	C.	488	Ap. 18
1121	1	22	487	Ap. 10
1122	22	23	486	Ma. 26
1123	3	24	485	Ap. 15

1125	25	26	483	Wa.29
1126	6	27	482	Ap. 11
1127	17	28	481	Ap.10
1128	28	G	480	Ap. 22
1129	9	30	479	Ap. 14
1130	20	31	478	Wa.30
1131	1	32	477	Ap. 11
1132	12	B	476	Ap.12
1133	23	34	475	Wa. 29
1134	4	35	474	Ap.15
1135	15	36	473	Ap.6

Hen. the 1. died 7 Decem.
Stephen began 5 2. Tuef.

1135		1	473	Ap.6.
1136	26	D.	472	Wa.22
1137	7	3	471	Ap. 17
1138	18	4	470	Ap. 3
1139	29	5	569	Ap. 23
1140	11	F.	468	Ap. 7
1141	22	7	467	Wa.30
1142	3	8	466	Ap. 19
1143	14	9	465	Ap. 4
1144	29	A.	464	Wa.26
1145	6	11	463	Ap.15
1146	17	12	462	Ap.14
1147	28	13	461	Ap.20
1148	9	C.	460	Ap.11
1149	20	15	459	Ap.3
1150	1	16	458	Ap.16
1151	12	17	457	Ap.8
1152	13	C.	456	Wa.30
1153	14	19	455	Ap.19
1154	15	20	454	Ap.4

Stephen died 7 Octob.
Hen: 2. began 5 25. Mon.

1155	26	2	453	Wa.27
1156	7	G.	452	Ap 5
1157	18	4	451	Wa.31
1158	29	5	450	Ap.20
1159	11	6	449	Ap.12
1160	22	B.	448	Wa.27
1161	3	8	447	Ap. 16
1162	14	9	346	Ap.8
1163	25	10	445	Wa.25
1164	6	D.	444	Ap.12
1165	27	12	443	Ap.4
1166	28	13	442	Ap.24
11679		14	441	Ap.9
1168	20	F.	440	Wa.31
11691		16	439	Ap.29
1170	12	17	438	Ap.5
1171	23	18	437	Wa.28
11724		A.	436	Ap.16
1173	15	20	435	Ap.8
1174	26	21	434	Wa.24
11757		22	433	Ap.13
1176	18	C.	432	Ap.4
1177	29	24	431	Ap.24
1178	11	25	430	Ap.9
1179	22	26	429	Ap.1
11803		C.	428	Ap.20
1181	14	28	427	Ap.5
1182	25	26	426	Wa.28
11836		30	425	Ap.17
11847		G.	424	Ap.1
1185	28	32	423	Ap.21
11869		33	422	Ap.13
1187	20	34	421	Wa.29
11881		B.	420	Ap.17
1189	12	36	419	Ap.9

Hen: 2. died 7 Iuly. 6.
Rich: 1. began 5 Thurf.

1190	23	2	418	Wa. 25
1191	4	3	417	Ap. 14
1192	15	D.	416	Ap. 5
1193	26	5	415	Wa 28
1194	7	6	414	Ap. 10
1195	18	7	413	Ap. 2
1196	29	F.	412	Ap. 21
1197	11	9	411	Ap. 6
1198	22	10	419	Wa. 29
1199	3	11	409	Ap. 18

Rich: 1. died Aprill.
K. John began 6. Tuef.

1199		1	309	Ap. 18
1200	14	2	408	Ap. 9
1201	55	3	407	Mar. 25
1201	6	4	406	Ap. 14
1303	17	5	405	Ap. 6
1304	28	C.	404	Ap. 28
1205	9	7	403	Ap. 10
1206	20	8	402	Ap 2
1207	1	9	401	Ap. 22
1208	12	E.	400	Ap. 6
1209	23	11	399	Wa. 29
1210	4	12	398	Ap. 18
1211	15	13	397	Ap. 3
1212	26	G.	396	Wa. 25
1213	7	15	395	Ap. 14
1214	18	16	394	Ap. 6
1215	29	17	393	Ap. 19
1216	11	B.	392	Ap. 10

Iohn died Octob
Henry 3. begun wed

1216		1	392	Ap. 10
1217	22	2	391	Wa. 26
1218	3	3	390	Wa. 25
1219	14	4	387	Ap. 7
1220	25	D	388	Wa. 29
1221	6	6	387	Ap. 11
1222	17	7	386	A. 3.
1223	28	8	385	Ap. 23
12249		F.	384	Ap. 14
1225	29	10	383	Wa. 30
1226	1	11	382	Ap. 19
1227	12	12	381	Ap. 11
1228	23	A.	380	Wa. 26
1229	4	14	379	Ap. 15
1230	15	15	378	Ap. 7
1231	16	16	377	Wa. 23
12327		C.	376	Ap. 11
1233	18	18	375	Ap. 2
1234	29	19	374	Ap. 23
1235	11	20	373	Ap. 8
1236	22	E.	372	Wa. 30
1237	3	22	371	Ap. 19
1238	14	23	370	Ap. 4
1239	25	24	369	Wa. 27
1240		G.	368	Ap. 15
1241	7	26	367	Ap. 14
1242	8	27	366	ap. 20
1243		28	365	ap. 12
1244	20	B.	364	ap. 3
1245		30	363	ap. 16
1246	12	31	362	ap. 8
1247	23	32	361	Wa. 31
1248	4	D.	360	ap. 19
1249	15	34	359	ap. 4
1250	26	35	358	Wa. 27
1251	7	36	357	ap. 16
1252	18	F.	356	Wa. 31
1253	29	38	355	ap. 20
1254	11	39	354	ap. 12

1255	22	40	353	Wa. 28
1256	3	d.	352	Ap. 16
1257	14	43	351	Ap. 8
1258	25	44	350	Wa. 24
1259	6	45	349	Ap. 8
1260	17	C.	348	Ap. 4
1261	28	46	347	Ap. 24
1262	9	47	346	Ap 9
1263	20	48	345	Ap. 1
1264	1	E.	344	Ap. 20
1265	12	50	343	Ap. 5
1266	23	51	342	Wa. 28
1267	4	52	341	Ap. 17
1268	15	G.	340	Ap. 6
1269	26	54	339	Wa. 24
1270	7	55	338	Ap. 13
1271	18	56	337	Ap. 5
1272	29	B.	336	Ap 24

Hen. 3. died Novemb.
Ed. 1. began 16.

1272		1	336	Ap 24
1273	11	2	335	Ap. 9
1274	22	3	334	Ap. 1
1275	3	4	333	Ap. 14
1276	14	D.	332	Ap. 5
1277	25	6	331	Wa. 28
1278	6	7	330	Ap. 17
1279	27	8	329	Ap. 2
1280	28	F	328	Ap. 2
1281	9	10	327	Ap. 13
1282	20	11	326	Wa. 29
1283	1	12	325	Ap. 18
1284	12	A	324	Ap. 9
1285	23	14	323	Ap 25
1286	4	15	322	Ap. 14
1287	15	16	321	Ap. 6
1288	26	G.	320	Wa. 28
1289	7	18	319	Ap. 10
1290	18	19	318	Ap. 2.
1291	29	2	317	Ap. 22
1292	11	C.	316	Ap. 6
1293	22	22	315	Wa. 29
1294	3	23	314	Ap. 18
1295	14	24	313	Ap. 3
1296	25	D.	312	Wa. 25
1297	6	26	311	Ap. 14
1298	17	27	310	Ap. 6
1299	28	28	309	Ap. 29
1300	9	E.	308	Ap. 10
1301	20	30	307	Ap. 2.
1302	1	31	306	Ap 22
1303	12	32	305	Ap. 7
1304	23	D.	304	Ap. 29
1305	4	34	303	Ap. 18
13 6	15	35	302	Ap 3.
1307	26	36	301	Wa 26

Ed. the 1. died July. 7.
Ed. the 2. began 5

1307		1	301	Wa. 26
1308	7	F.	300	Ap. 14
1309	18	3	299	Ap. 6
1310	29	4	298	Ap. 19
1311	11	5	297	Ap. 11
1312	22	A.	296	Wa. 26
1313	3	7	295	Ap. 15
1314	14	8	294	Ap. 7
1315	25	9	293	Wa. 23
1316	6	C.	292	Ap. 11
1317	17	11	291	Ap. 3
1318	28	12	290	Ap. 23
1319	9	13	289	Ap. 8
1320	20	E.	288	Wa. 30
1321	1	15	287	Ap. 19
1322	12	16	286	Ap. 11
1323	23	17	285	Wa. 27
1324	4	G.	284	Ap. 5

1325	15	19	283	Ap.7
1326	26	20	282	Ma.23

Ed. 2. died
Ed. 3. began Ian. 25

1326	26	1	282	Ma.23
1327	7	2	281	Ap. 12
1328	18	B.	280	Ap.3
1329	29	4	179	Ap.23
1330	11	5	278	Ap 8
1331	22	6	277	Ma.31
1332	3	D.	276	Ap. 19
1333	13	8	275	Ap.4
1334	25	9	274	Ma.27
1335	6	10	273	Ap. 16
1336	17	F.	272	Ap.4
1337	28	12	271	Ap.20
1338	9	13	270	Ap. 12
1339	20	14	269	Ap. 28
1340	1	A.	268	Ap. 16
1341	12	16	267	Ap.8
1342	23	17	26	Ma.31
1343	4	18	265	Ap. 13
1344	15	C.	264	Ap.4
1345	26	20	263	Ma.27
1346	7	21	262	Ap.26
1347	18	22	261	Ap.1
1348	29	E.	260	Ap. 20
1349	11	24	259	Ap. 12
1350	22	25	258	Ma.28
1351	3	26	257	Ap. 17
1352	14	B.	256	Ap.8
1353	25	28	235	Ma.42
1354	6	29	254	Ap.13
1355	17	30	253	Ap.5
1356	28	B.	252	Ap. 24
1357	9	32	251	Ap.9
1358	20	33	250	Ap.1
1359	1	34	249	Ap. 21
1360	12	35	248	Ap.5
1361	23	36	247	Ma.28
1362	4	37	246	Ap 17
1363	15	38	24	Ap.2
1364	26	F.	244	Ma.24
1365	7	40	243	Ap. 13
1366	18	41	242	Ap.5
1367	29	42	241	Ap. 18
1368	11	A.	240	Ap.9
1369	22	44	239	Ap.1
1370	3	45	238	Ap. 14
1371	14	46	237	Ap.6
1372	25	C.	236	Ma.28
1373	6	48	235	Ap. 17
1374	17	49	234	Ap.2
1375	28	50	233	Ap. 22
1376	9	C.	232	Ap. 13
1377	20	52	231	Ma.29

Ed. 3. died
Rich. 2. began Ian. 21

1377		1	231	Ma.9
1378	1	2	230	Ap. 18
1379	12	3	229	Ap.10
1380	23	F.	228	Ma.25
1381	4	5	227	Ap.14
1382	15	6	226	Ap.6
1383	26	B.	225	Ma.22
1384	7	8	224	Ap.10
1385	18	9	223	Ap.2
1386	29	10	222	Ap. 22
1387	11	D.	221	Ap 7
1388	22	12	220	Ma.29
1389	3	13	219	Ap. 18
1390	14	14	218	Ap.3

1391	25	15	217	Ma 26
1392	6	F.	216	Ap.14
1393	17	17	215	ap.6
1394	28	18	214	ap.19
1395	9	19	213	ap.11
1396	20	A.	212	ap.2
1397	1	21	211	ap.22
1398	12	22	210	ap.7.
1399	23	23	209	Ma.30

Rich. 2. died Sep. 29.
Henry 4. began

1399		1	209	Ma. 30
1400	4	C	208	ap 18
1401	15	3	207	ap.3
1402	26	4	206	Ma. 26
1403	7	5	205	ap.15
1404	18	G.	204	ap.6
1405	29	7	203	ap 1.9
1406	11	8	202	ap.11
1407	22	9	201	Ma.27
1408	3	G.	200	ap.15
1409	14	11	199	ap.7
1410	25	12	198	Ma 23
1411	6	13	197	ap.12
1412	17	B.	196	ap.3

Henry 4. died Mar. 20
Hen: 5. began

1412		1	196	ap.3.
1413	28	2	195	ap.23
1414	9	3	194	ap.8
1415	20	4	193	Ma 31
1416	1	D.	192	ap.20
1417	12	6	191	ap.11
1418	23	7	190	Ma.27
1419	4	8	189	ap.16
1420	15	F.	188	ap.7
1421	26	10	187	Ma.23
1422	7	11	186	Ap.11

Henry 5. died Aug. 31. began

1422		1	186	ap.11
1423	18	2	185	ap.3
1424	29	A.	184	ap.23
1425	11	4	183	ap.8.
1426	22	5	182	Ma.31
1427	3	6	181	ap.20
1428	14	C.	180	ap.4
1429	25	8	179	Ma.27
1430	6	9	178	ap.16
1431	17	10	177	ap.1
1432	28	E	176	ap 20
1433	9	12	175	ap.12
1434	20	13	174	Ma.28
2435	12	14	173	ap.17
1436	1	G.	172	ap.8
1437	23	16	171	Ma.31
1438	4	17	170	ap. 13
1439	15	18	169	ap.5
144.	26	B	168	Ma.27
1441	7	20	167	ap.16
1442	18	21	166	ap.1
1443	19	22	165	ap.21
1444	11	D.	164	ap.12
1445	22	24	163	Ma 28
1446	3	25	162	ap.17
1447	14	26	161	ap.9
1448	25	F.	160	Ma.24
1449	6	28	159	ap.13
1450	17	29	158	ap. 5
1451	28	30	157	ap. 25
1452	9	D.	156	ap.9
1453	20	32	155	ap.1
1454	1	33	154	ap.21

1455	12	34	153	Ap.6
1456	23	C.	152	Wa 28
1457	4	36	151	Ap.17
1458	15	37	150	Ap.2
1459	26	38	149	Wa.25
1460	7	E.	148	Ap.13

Hen: 6. died } March. 4.
Ed: 4 began }

1460		1	148	Ap. 13
1461	18	2	147	Ap.5
1462	29	3	146	Ap.18
1463	11	4	145	Ap. 10
1464	22	G	144	Ap.1
1465	3	6	143	Ap.14
1466	14	7	142	Ap.6
1467	25	8	141	Wa. 29
1468	6	B.	140	Ap. 17
1469	17	10	139	Ap.2
1470	28	11	138	Ap.22
1471	9	12	137	Ap 14
1472	20	D	136	Wa. 29
1473	1	14	135	Ap.18
1474	22	15	134	Ap.10
1475	23	16	133	Wa.26
1476	4	F.	132	Ap.14
1477	15	18	131	Ap 6
1478	26	19	130	Wa.22
1479	7	20	129	Ap.11
1480	18	A.	128	Ap.2
1481	29	22	127	Ap.22
1482	11	23	126	Ap.7
1483	22	24	125	Wa. 30

Ed: 4. died } Ap 9
Ed: 5. began }

1483		1	125	Wa. 30

Ed; 5. murthered Iune
Ri; 3. vsurp. begā 12.

1483	22	1	125	Wa.30
1484	3	C.	124	Ap. 18
1425	143		123	Ap.3

Rich; 3. slaine } Aug.22
Hen 7 began }

1485		1	123	Ap.3
1486	25	2	122	Wa.26
1487	6	3	121	Ap. 15
1488	17	E	120	Ap.6
1489	28	5	119	Ap.19
1490	9	6	118	Ap.11
1491	20	7	117	Ap.3
1492	1	G.	116	Ap.22
1493	12	9	115	Ap.7
1494	23	10	114	Wa.30
1495	4	11	113	Ap.19
1496	15	B.	112	Ap.3
1497	26	13	111	Wa.26
1498	7	14	100	Ap. 15
1499	18	15	109	Wa.31
1500	29	D	108	Ap. 19
1501	11	17	107	Ap 11
1502	22	18	106	Wa.27
1503	3	19	105	Ap. 16
1504	14	F.	104	Ap.7
1505	25	21	103	Wa.23
1506	6	22	102	Ap.12
1507	17	23	101	Ap.4
1508	28	A.	100	Ap. 30
1509	9	25	99	Ap.8

Hen: 7. died } Ap.22.
Hen.8 began }

1509		1	99	Ap.8
1510	20	2	98	Wa.31
1511	1	3	97	Ap. 20
1512	12	C	96	Ap.11
1513	23	5	95	Wa.27
1514	4	6	94	Ap.18

1515	15	7	93	Ap.8
1516	26	E.	92	Wa 23
1517	7	9	91	Ap.12
1518	18	10	90	Ap.4
1519	29	11	89	Ap.24
1520	11	G.	88	Ap.8
1521	22	13	87	Wa 31
1522	3	14	86	Ap.20
1523	14	15	85	Ap.5
1524	25	B.	84	Wa.27
1525	6	17	83	Ap.16
1526	17	18	82	Ap.1
1527	28	19	81	Ap.21
1528	9	D	80	Ap 12
1529	20	21	79	Wa.28
1530	1	22	78	Ap.17
1531	12	23	77	Ap 9
1532	23	F.	76	Wa.31
1533	4	25	75	Ap.13
1534	15	26	74	Ap.5
1535	26	27	73	Wa. 28
1536	7	A.	72	Ap 16
1537	18	29	71	Ap 1.
1538	29	30	70	Ap.21
1539	11	31	69	Ap 6
1540	22	C.	68	Wa.28
1541	3	33	67	Ap.17
1542	14	34	66	Ap.9
1543	25	35	65	Wa.25
1544	6	E	64	Ap.13
1545	17	37	63	Ap.5
1546	28	38	62	Ap 25

Hen: 8. died } Ian. 28.
Ed: 6. began }

1546		1	62	Ap.25
1547	10	2	61	Ap.10
1548	20	G.	60	Ap.1
1549	1	4	59	Ap.21
1550	12	5	58	Ap.6
1551	23	6	57	Wa.29
1552	4	B	59	Ap.17

Ed. 6. died, } July, 6.
Mary b gan }

1552			56	Ap.17
1553	15	1	55	Ap.2
1554	26	2	54	Wa. 15
1555	7	3	53	Ap.14
1556	18	4	52	Ap 5
1557	29	D	51	Ap.18
1558	11	6	50	Ap.10

Mary died } Nou.
Elizabeth began } 16

1558	11	1	50	Ap.10
1559	22	2	49	Wa.26
1560	3	F.	48	Ap 14
1561	14	4	47	Ap 6
1562	25	5	46	Wa.29
1563	6	6	45	Ap.11
1564	17	A	44	Ap.2
1565	28	8	43	Ap.22
1566	9	9	42	Ap.14
1567	20	10	41	Wa.30
1568	1	C.	40	Ap.18
1569	12	12	39	Ap.10
1570	23	13	38	Wa 26
1571	4	14	37	Ap.15
1572	15	E.	36	Ap.6
1573	6	16	35	Wa 22
1574	7	17	34	Ap.11.
1575	18	18	33	Ap.3
1576	29	G.	32	Ap.21
1577	11	20	31	Ap.7
1578	22	21	30	Wa.30

1599	3	22	29	Ap.19
1580	14	B.	28	Ap.3
1581	25	24	27	Ma.26
1582	6	25	26	Ap.15
1583	17	26	25	Ap.14
1584	28	D	24	Ap.19
1585	9	28	23	Ap.11
1586	29	29	21	Ap.3
1587	1	30	20	Ap.16
1588	12	F.	19	Ap.7
1589	23	32	19	Ma.30
1590	4	33	18	Ap.19
1591	15	34	17	Ap.4
1592	26	A.	16	Ma.26
1593	7	36	15	Ap.15
1594	18	37	14	Ma.31
1595	29	39	13	Ap.20
1596	19	C	12	Ap.11
1597	22	41	11	Ma.27
1598	3	42	10	Ap.16
1599	14	43	9	Ap.8
1600	25	E.	8	Ma.23
1601	6	45	7	Ap.12
1602	17			Ap.4
Elizabeth died				Mar.24
K Iames begā				
1602		1	6	Ap.4
1603	28	2	5	Ap.24
1604	9	G	4	Ap.8
1605	20	4	3	Ma.31
1606	1	5	2	Ap.20
1607	12	6	1	Ap.5
1608	23	B	0	Ma.27

Queſt. 3. I haue an Euidence beareth date the 5. day before Eaſter day, in the yeare of our Lord, 1595. I would knowe in what Kings raigne it was, what yeare of his raigne, what moneth, what day of the moneth, what day of the weeke, and how long ſince it was dated?

By the firſt queſtion, learne what day of the month Eaſter day fel vpon, & what month, & what was Sunday letter, which hauing found in the Kalender, count ſo many dayes frō Eaſter as the deed beareth date, ſo ſhal the day of the month & weeke appeare: then to proceede in the Concordancy, finde againe the yere of our Lord the deede beareth date in, ſo proceeding rightwardes, in the third rowe right againſt the ſaide yeare of our Lord, ſhall you finde the yeare of the Kings raigne, and what Kings raigne: if you take the name of the King that is wrote next before: then proceede againſt the foreſaide yeare of our Lord into the fourth row, vnder the title of Time expired, ſo ſhall you there ſee how long it is ſince the deed was dated.

Example.

In this question, 1595. I finde Easterday to bee the 20. of Aprill, and thereby the Dominicall letter to be E. Then in the Kalender, reckoning 5. dayes backe, (for so the euidence beareth date,) I finde it to fall vpon the 15. of Aprill, being Wednesday, there represented by G. Now to proceede in the Concordancie, I finde the yeares 1595. on the left hand the Table: & the name of the Prince next before to be Elizabeth, then rightward against the said yere of our Lord, in the third rowe, I finde the 37. yeare of her raigne to agree therewith, & against the same in the fourth row, vnder the title of Time Expired, I finde 12. yeares. So then may I conclude, that the Euidence was dated in the yeare of our Lord 1595. vpon the 15. day of Aprill, being Wednesday, in the 37. yeare of the raigne of Elizabeth, and that it is full 13. yeares since, vppon the 15. day of Aprill next, 1608.

Quest. 4. I haue a lease for 100. yeares, bearing date in the yeare 1521. the 5. of March. I would know this yeare 1608. whether my lease be expired, or how long time I haue therein.

Seeke the yeare 1521. on the left side the Table, against which in the fourth rowe standeth 87. which sheweth me that there is 87. yeares expyred vppon the 5. day of March, 1608. so that I haue foure yeare yet remaining. If you would know what Kings raigne it was dated in, see the 3. Question.

And you must note that in the third row amongst the Kings raignes, there be certaine Letters placed for the cause aforesaide. Notwithstanding, you may easilie gesse what figures should be there, by the figures before and after, as 1408. G. standeth in the place of 101.

Also here it were conuenient for you to admit a threefolde distinction of yeares for our better vnderstanding: as Compleat, Defective, and Elapsine.

In the former example. I had an euidence that bore date the 5. of March, 1521. and I demand the 5. of March 1638. how many yeres is expyred: so shall I find iust 87. years compleat. But if you had made this demaunde before the 5. of March, as the 8. of February, it had bene defective, if after, as

as in May, &c. Elapſiue.

Alſo you may admit like diſtinction in reſpect of the expiration, as when the yeares be not expired, they be defective, iuſt expired, Compleate, and expired long ſince, Elapſiue.

Queſt. 5. { I haue a leaſe for 21. yeares, bearing date the 7. of Aprill, 1573. I would know how many of the yeares were expired in the yeare 1600.

In the Concordancie, ſeeke the yeare 1573. againſt which in the fourth rowe you ſhall finde 35. Then ſeeke in the ſame fourth rowe, howe long it is ſince 1600. and you ſhall finde 8. yeares, which take from 35. ſo haue you 37. yeares Elapſiue, I conclude, the leaſe is expired 6. yeares paſt, at the 7. of Aprill, 1608.

Againe, I would knowe how long it is ſince the 8. yeare of Rufus, in this yeare 1608. againſt which 8. yeare of Rufus in the ſaid fourth rowe, you ſhall finde 514. yeares compleate, vppon the 9. day of September: your demand, let this ſuffice for any other queſtion.

Nowe by the Epact may you learne to knowe the ſtate of the Moone in any moneth of any yeare: which for that it is ſo eaſie and common, I here omit.

¶ A briefe inſtruction for the better vnderſtanding of the Tearmes, and *their Returnes*.

YOu muſt firſt vnderſtand, that euerie yeare doth conſiſt of foure Tearmes, euerie Tearme of foure Returnes, euery Returne of foure daies, and euery daye ſeruing to a ſeuerall purpoſe. The firſt day whereof, is the day of Eſſoynes: for the defendant in a perſonall action, for the tenant in a reall action to be Eſſoyned: the 2. is the day of exception: for the plaintife or defendant, to lay an exception, if no Eſſoyne be caſt, that the defendant ſhall not be Eſſoyned. The third is Returna Breuium, that is, the day of the Returne of the Writt for the Sheriffe.

¶A Table ſhewing the returne or Eſſoyne day, the day of Acception, the day of Returna Breuium, and the day of Appearance before remembred, ſeruing for this yeare.

1608.

	Names of Returnes.	Eſſoyne daies.	Daies of exceptiõ	Returna Breuiũ.	Dai s of apperãce
Hillary Tearme.	Octabis Hillary.	Ian.20	Ian.21	Ian.22	Ian.23
	Quindeno Hillary	Ian.27	Ian.28	Ian.29	Ian.30
	Craſtino purifica:	Feb.3	Feb.4	Feb.5	Feb.6
	Octabis purifice:	Feb.9	Feb.10	Feb.11	Feb.12
Eaſter Tearme.	Quindeno Paſchæ.	Ap.11	Ap.12	Ap.12	Ap.13
	Tres Paſ:	Ap.18.	Ap.19	Ap.19	Ap.20
	Meſe Paſ:	Ap.25	Ap.26	Ap.26	Ap.27
	Quinq: Paſ:	May.2	Ma.3	Ma.3	Ma.4
	Craſtino Aſcentio.	Ma.6	Ma.7	Ma.9	Ma.9
Trinity Tearme.	Craſtino Trinitatis.	Ma.23	Ma.24	Iun.25	Ma.27.
	Octabis Trinitatis.	Ma.30	Ma.31	May.31.	Iun.1
	Quindeno Trinita.	Iun 6.	Iun.7.	Iun.7	Iun.8
	Tres Trinitatis.	Iun.13	Iun.14	Inn,14	Iun.15
Michaelmas Tearme.	Octabis Michall:	Oct. 6	Oct. 7	Oct.8	Oct. 10
	Quindeno Michall:	Oct.13	Oct. 14	Oct.15	Oct.17.
	Tres Michall:	Oct. 20	Oct.21	Oct. 22	Oct.24
	Marſe Michall:	Oct.27	Oct. 28	Oct.29	Oct. 31
	Craſtino Animarũ	Nou.3	Nou.4	Nou.5	Nou.7
	Craſtino Marini.	Nou.12	Nou.14	Nou.14	Nou.15
	Octabis Martini.	Nou.18	Nou.19	Oou.21	Nou.21
	Quindeno Martini	Nou.25	Nou.26	Nou.28	Nou.28

to Returne the same: and the fourth is the daye of Appearance in the Common place, &c. What daye of the Moneth these dayes before mentioned fall out, is set downe in the Table.

These dayes haue most vse in the Court of Common Pleas, where all suites Commence by originall, &c: But for Latitats, and all other Processe vpon their bill, is vpon a day certaine, as Die Lunæ post crastin. Purific: which must be reckoned alwayes from the Essoyne day, wherby a man not taking heede, may be deceiued, and make their Writs Returnable, sometime before the Tearme begin, and sometime after the end of the Tearme, and sometimes vpon dayes that bee no dayes in Court: as All Saints, Allhalowes, Purification, Ascention, and Midsommer, when they fall in Tearme.

In the Starchamber, Chauncery, Eschequer, Court of Wards, and Court of Requests, their Processe are returnable vpon these Returnes: yet there is no vse of any but the day of Appearance, which is quarte die post, vnlesse it bee in the Common place, or Eschequer.

And if a Capias, Exigent, Scirifacias, or Distringas bee executed after the day of Essoynes by the Sheriffe, or a Commission seate open out of any of the foresaide Courts after the said Essoyne day, it is neither iustifiable or warrantable.

Of the Eclipses this yeare, 1608.

THyrise this yeare shal the two Heauenly and great Luminaries be Eclipsed, so that part of the Sunne shalbe twise obscured, and part of the Moone once: whereof there shal be obserued but onely the latter of the Sun in our Horizon.

The first of the Sun happeneth the fift day of February, but according to the newe Kalender, the 15. day at midnight, at which time, the two Luminaries shall bee conioyned in the 26. grad: 12. minu: 8. sec: of the Dodecatimor of Aquari: neere the Dragons taile: but this obscuration shall onely bee obserued with our Antipodes, inhabiting the Magellanicall part of the Earth, called Noua Guinea, lying neere the Tropick of Capri: distant from our Meridian Eall, neere 12. ho:

lying in the 205. degree of Longitus, and 42. of South, Latitude. And this Eclipse shall appeare before their 12. of the clocke, or high noone, the whole body of the Sun being darkened within 26. min: to them that be more South then ther, as beyond the Tropicke of Capric: neere the Circle Antarticke, the whole bodie of the Sunne shalbe darkened.

The second Eclipse is of the Moone, falling the 17. day of Julie, in this our Julian yeare: but the 27. day of Julie in the reformed yeare, 4. minutes after our high noone. But this also is not obserued with vs, but in such Regions that be betwixt the 126. degree of Longitude, and 322. degr. of, as the Regions of Catay, and Sima, &c.

The last and third Eclipse or defection of light in respect of our habitude and position, shall be in the Sunne, vpon the 25. day of Julie. But according to the newe yeare, the 10. day of August, 13. minutes past 3. of the clocke afternoone, being Sunday. But to speake to a more exacte Calculation, the visuall interposition of these lights shall be 39. min: later then before: so that it shall happen 10. min: before 4. of the clocke: I meane, bee in greatest obscuration, which in respect of our sight, shall not exceede one degree and 49. min: vpon the south side, neere the Dragons head: the duration will not exceede one hour and 10. minut. from the very beginning, to the latter ende, by which time the Moone shalbe glided from betwixt our sight, and the Sun, towards the Meridian: so that there shal be no refraction of his comfortable beames from our sight.

¶ Of the good and bad dayes in generall.

YOu must consider what letter or letters doe stand against the day of the moneth required, and then repaire vnto the present subscript, and there shall the letters leade you Alphabetically to the disposition of the day, if it please God to let the influences of the Heauenly bodies take effect. And you must note, that the letters be placed in the Kalender, in the 5. rows rightwards.

The

The Subscript.

Deferre thy iourney to Prince: seeke not conference with olde men, abandon rurall labours.

Olde men be trusty, the building shall be firme, women be false.

Ominous and fatall

Iustice abounds, seeke thy owne.

If thy intent be honest, thy worke shall prosper, seeke vnto men in iudiciall places.

Proceede in thy iourney, insinuate with iudicious men, both ecclesiasticall and temporall.

Thy iourney shall be dangerous, deferre it, beware souldiers and martialists.

Buy thy horse of warre, be bolde to beare Armes.

Contention is dangerous, the league & truce will breake.

Take not the worke in hand, vnlesse it should neuer come to light.

Seeke to thy Prince, expect the dignity sought.

Offend not thy King, keepe thee close at prayers, beware the anger of great men.

Take a wife, thy mistresse loues thee, thy friend is trusty, seeke thy desire of women.

Instruct thy children in writing, Poets be busie, chaffer for marchandise, let the embassador or messenger proceede.

A Prediction of this Reuolution.

THis Reuolution, as it should seeme for the qualitie and state of the yeare, would not much disagree from the latter: for as I noted in the last yeare great inundations, by reason of the domination of the Moone in the Horoscope, and also by the infection of the first eclipsed Lunation, by the maligne and robust nature of Saturne, predominating therein. Which two vnfortunate, for some fell out, and yet see that had beheld the constitution of the Theame of the Reuolution for the brumall prevolution, with a iudicious eye,

him

happily might haue said more of the waters then was. Therefore omitting particular exundations that Saturne straightned with the Moone, affoorded vnto vs the last yeare, as I haue said, I cannot see, wherein this yeare should greatly disagree: onely it is likely that March will rather incline something more to his owne boysterous nature: then in the extreamitie of heate, and specially about the 9. 15. ano 26. dayes. Neither is it likely that May will be so much subiect to the watery dominators, as the last yeare it was. Briefly, doe but view the true configuration of the heauens for this vnfinished yeare, and you shall haue great cause to suspect.

The yeare vnseasonablie many times.

Peculiariter vorticolos in Mari fluctus: as I noted the last yeare.

Danger in some fewe places by fire.

Opinionatiue Sects and Religions, and contentious maintainers thereof: grudging at that they dare not contradict, newe edicts diuers contemned.

Wholesome lawes by diuers lewd people violated.

The Diuines seeking a kinde of Dicæologie to manie of themselues, when it is to be feared, that there will be hardly found a Dicothomos, of what is expected in them, but they rather seeke of a Mycropsichia.

A kinde of Congræcation with Monologies, wanting a cordall Confibulation.

An opinionatiue confecture of gyddie and busie heads, likely to produce an ydle confluctuation.

Depauperations and banqueroutting of manie, much increasing of Latrocinie, abounding of petitioners.

This Reuolution by the doctrine of some of our moderne and recent Astrologues, should signifie Iter regis, & aliquam rerum mutationem accrescit.

Also there is to be feared the inception of some newe kinde of disease.

Some hurt by Lightning and Thunder.

A darth of a particular kinde of flesh, whereby also it should seeme wooll, but especially Leather will proue deare.

Many diruptions in the earth.

Nowe as hitherunto the face of the heauens haue seemed fatall to this our little worlde, so likewise in other respects doe they as it were smile & throwe comfortable influence into this climate, for who so shall ouerlook the true state of the heauens with a iudicious eye, may note.

How we are blessed with the being of our Dicæachus.

The maintenance of true religion, with the vtter depulsing or deperging of superstition, a constancie and loyaltie in the Nobilitie.

And for the commodities of the earth, sufficient of graine, yet corne not ouermuch exceeding, confodiations with likelyhood of increase of gaine.

THese Arts may faile when wits doe wander wide,
And wits may lie, when Art is not their guide:
For good's the wit that still by Art doth wright,
And bad's the Art makes wit but false indight.
(So wisest men haue often beene deceiu'd,)
Tho afterwards their errors haue perceiu'd.
No maruell then, tho I, lesse wise then they,
Doe let my pen too often run astray,
That lacke much wit the truth of Art to know,
And want more Art, a witty truth to shew.

A most

❡ A most excellent Table for any man to use, *diligently Calculated.*

What 100. pound forborne for any time vnder 21. yeares cometh vnto, according to the rate of 10. pound in the 100. at cõpound interest	What 100. pound is worth for anye time vnder 21. yeares before hand, after the former rate.	What 10. pound Annuitie is worth for any time vnder 21. yeares, according to 10. pound in the hundred.

yeas	l.	s.	d.	q.	l.	s.	d	l.	s.	d.
1	110	0	0	0	90	18	2	9	1	10
2	121	0	0	0	82	1	11	17	7	1
3	133	2	0	0	75	2	8	24	17	4
4	146	8	2	2	68	6	0	31	14	0
5	161	1	0	1	62	1	10	37	18	2
6	177	3	1	1	56	8	11	43	11	1
7	194	17	[illegible]	0	51	6	13	48	13	9
8	214	7	2	0	46	13	0	53	7	0
9	235	15	10	2	42	8	2	57	11	10
10	259	7	6	0	38	11	1	61	8	11
11	285	6	2	2	35	1	0	64	19	0
12	313	16	10	2	31	17	9	98	2	9
13	345	4	6	3	28	19	4	71	0	8
14	379	15	0	0	26	6	8	73	13	4
15	417	14	6	0	23	18	10	76	1	2
16	459	9	11	3	21	15	53	78	4	9
17	505	9	0	0	19	15	8	80	4	3
18	555	19	10	0	17	19	8	81	0	3
19	611	11	10	0	16	7	0	83	13	0
20	672	15	0	1	14	17	3	85	2	9
21	740	0	6	2	13	10	2	86	0	0

Concerning the daylie disposition of the aire.

AT this time I minde not to write of the disposition of the ayre, because I haue supplied the booke with other things more necessary. But howsoeuer, it were vaine so to doe, in regarde of the light esteeme that is holde thereof, which is but a bad recompence for the great paine that is taken therein, if the calculations be exact: for shall I speake simply vnto you, since I know it for certaine, that there is no part of the worke doth require neere so much toyle and precise calculation, as it doth, howbeit it is now villified & defaced, in so much that men will rather aduenture to take the contrary that they write, then beleeue what they set downe. Since they are seldome seene to write truely, & neuer found to agree precisely, not much vnlike many clocks in a great Citie, which base Diaphoricall supputations art abhorreth, and the world contemneth: since thereby the art is made as though it had neither truth or veritie at all in the ground thereof: but if you will giue me leaue friendly, if not, I will take licence freely, briefly to repeate the conieetures whereby I imagine the Arte is so abused, and that is either by negligence, or want of Art.

First for negligne, although I can taxe none of them with it, yet rather in a fauourable construction doe I suspect it in some fewe (euen the least of plralities) more then want of Art: my reason is, if they should write according to the scruples of verity, there is no man to respect them for their paines: insomuch (happily their meanes being not great) they should produce a short harueit of a long seedtime. For it is knowne, that this iudiciall part of Astrologie, is Mercenarie, & bound perpetuall apprentise, so that whilest it lines in seruitude, it can yeeld but little commoditie to the professor.

Now for want of Art, particularly I charge none, nor generally doe I condemne all, though I know it to be too predominating in some: for of late times I haue seene diuers wel & deeply seene in the Aphorismes & Astronomicall Axiomes, lent a iudiciall ouerlooking to the truth of their Calculation, wherein to speake simply, he could scarce in most obserue any thing obserued

ned by Arte, some basely failing in the least part, as in rectifying a figure, & the collocations of the starrs, both erratically and fixed, some stumbling on some Artlike iudgements, some writing more precise, others keeping along still, & talking of Trygons and Triplicities, when there was neither Art nor reason in their writing, more then the wordes of Arte. But who will sooner thrust his head out of the stable then blindt Bayarde? is it not pitie that those who haue the receiuing of their Copies, will not haue a care who they admit, but take all sorts, so they can write a .d make a booke, though they put neither wit nor Arte therein, insomuch that nowe there is such a confused companie, that I thinke most strine who shall shew least Arte: whereby the oppugners hereof, vrge their vncertain writing, and disagreeing, as a principall ground of the falsenesse of the Art. But I say, Art may be much blemished, but neuer quite blotted by a fewe bad professors: those that be faulty, I wish them to amend, lest time bring them to open light. And since I am stepped into this particular discourse, I will set downe some briefe notes what should bee obserues in the iudgement of the weather.

First, the nature and temperature of the Clymate should be heedfully obserued. Experience telleth vs, that Haile in Aprill & October, Snow & ofte Frost in Winter: Summer, Thunder and Lightning, &c. is most naturall to this our Horizon. Then should you rectifie a Figure for euery seuerall Lunation and chiefe aspect that the Moone hath vnto the Sunne, obserning diligently the quality and state of the Lorde of the figure, (remembring that the Newe Moones in Summer augment heate, but in Winter coldenesse) noting also the nature of the signe the Moone occupyeth. When you do rectifie your figure, next should you haue a good regarde, both to the mutuall Aspects, such that the Planets haue amongst themselues, & Syzigiall, such that the Moone hath seuerally to the Planets: for when the Moone commeth to the radiation of the Lord of the figure, the nature of the saide Planet is most expressed. You should also haue a heedfull care to the beaming and Aspects of the fixed starres, with the erratical, with the true collocation of them in your figure: and you should well note the rising

and

and setting of the said fixed starres euery day, and the passing by of the Planets, by such fixed starres, that be tempestuous, as Pyades, Hyades, Asellos, &c. but especially note the passing of the Moone, Venus, Mars, and Mercurie, and so applie the iudgement to the state of the Quarter. Stadius in Tabulis Bergens. capit. 7. fol. 200. doth write, that hee hath obserued, Quod ♀. & ♂. aut etiam solius martis per Pyades Trāsitus aliquot Diebus pluviosam efficerit tempestatem, Sol causa est caliditas. You must likewise note, when the Abſides be infortunate, that is, the apogæon of Saturne & Mars, for breeding in watery signes, specially in Cancer, or Scorpius, there is caused Inundations in Fiery sterilitie and conflagrations, &c. You should also remember the quality of the Planets in altering of the aire, as the superior, vnlesse Mars, none cause raine, of the inferiour, none but Mercury cause drought: then should you see the nature of the Planets and fixed starres in raising of windes: as Saturne causeth East windes, Mars West, Iupiter doth North windes: Venus South, and Mercury is a prouoker of all those: so that he hath a generall force as the father of windes: so the Sun and Moone and diuerse signes placed accordingly in the figure, doe moue certaine windes, as signes of the fierie Trygon ♈, ♌, ♐, moue West and North windes, ♄ combust in ♌, hauing North latitude, doth raise North windes towards euening. So signes of the earthly Trygon, as ♉, ♍, ♑, produce East and South winds: and the watery Trygon ♋, ♏, ♓, bring Southwest windes. What is said of the Planets, the like is vnderstood of the fixed starres of the same nature: but alwaies a Planet is of more force then a signe or fixed starre.

You should not omit likewise to foresee the combustions of the Planets, in the 4. quarter of the yeare, as in Summer, they cause heate and Thunder, &c. So likewise the Retrogradations and Directions of the Planets alter the aire, as Retrograde in Winter, produce drought. Also you should note what degree and signe the Sunne occupieth, as being in the 10. degree ♎, if then ☿ bee in watery signes, Erunt pluuiæ ad submertionem, or if the Sunne bee entring the Tropicall signe, if ☿ being in a watry signe, be aspected by the Moone,

also

also in a watery signe, great raine will followe, insomuch that the Sunne being in the hyemall Solsticiall, and two Planets Retrograde, and in coniunction with the Sunne, it is an increasing of raine, if three, an exceeding of wet, but if foure, a cataclysme or deluge. Briefly, Stoffler a diligent obseruer, noteth welneare a generall flood to follow vpon the coniunction of most of the Planets in Pisces, precedent to the Vernall Equinoctiall, which happened 1524. Febru: 19. ho: 0. 25. minut. P. M. The like might haue beene obserued 1583. 25. yeares past, the 26. of Februarry. ho: 11. A. M. There should also a speciall care be had of the 12. signes, for nowe their nature and qualitie (obserued by Ptolomey, a notable searcher of celestiall secretes) is altered, which also is a speciall cause of error, as the first parte of Cancer, that was temperate and serenious, but now more colde and cloudy. Many more things bee there, which should be precisely obserued, before you giue iudgement of any particular day. But to conclude, here is no place to giue precepts, neither doe I intend it, but onely a few kinde admonitions, and therefore I will finish with the sentence of the learned Astrologians. Qui enim non potest in singulos dies de pruina nive grandine, &c. Distincte prædiscere hinc prædicenti abundantiam aut penuriam, frugum, nequaquam fides adhibenda est, yet the effect I confesse may bee hindered, as I noted in my Almanacke. 1606.

FINIS.